

**REMARKS/ARGUMENTS**

**Claim Amendments**

Claims 1-24 and 26-33 are pending.

Claims 4, 7 and 20 have had typographical errors corrected. No new matter has been entered.

Claim 33 has been numbered for each species claimed so that reference to specific compounds can be more easily made. Thus these numbers have no bearing on the name of any compound. One compound was deleted as duplicating the named compound below it plus an error in G value. No new matter has been introduced into those listed compounds.

**Election/Restriction under 35 USC 121 and 372**

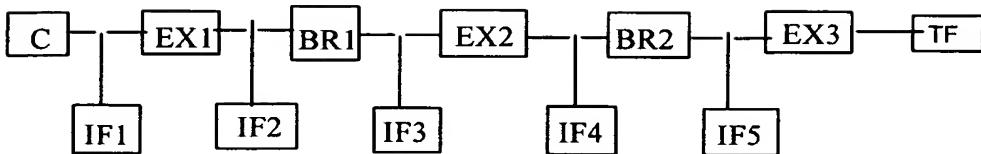
In reply to the Office Action mailed August 6, 2009 requesting restriction to Group I, claims 1-24 and 26-33 (all pending claims), Applicants filed a Response mailed September 4, 2009, where on page 2 they **elected Group I**, and as a species the **compound of Example 13** (specification pages 87-88). This compound is named:

[(C) = PETGE; (IF1) = OH ; (EX1)= PIPZ; (IF2) = OH; (BR1) = PETGE;  
(IF3) = OH; (EX2) = PIPZ; (IF4) = OH; (BR2) = PETGE; (IF5) = OH; (EX3)  
= PIPZ; (TF) = NH; G=2.5 ].

Applicants confirm the election of the above species and Group I (the only Group listed in the Office Action of August 6). This species is found in Claim 33, #8, and is found generally within Claims 1, 3, 6-8, 12, 14-19, 21-23 and 26 and can be used with (M) in Claims 27-32. Thus the claims encompassing this elected species, as required to be stated, are: **Claims 1, 3, 6-8, 12, 14-19, 21-23, 26-32 and 33**.

Respectfully, Applicants believe they have elected a single species as requested by their Response of September 4, 2009. However, to ensure complete understanding, Applicants are providing an enclosure that illustrates this compound drawn by its chemical formula. It is one compound; thus one species.

Additionally, to assist in understanding how this elected species relates to Formula (I), the illustration below is provided in a context of that structure.



As yet there is no uniform system of nomenclature, such as IUPAC, for these dendrimer compounds. As several of the inventors have published in this area, especially Dr. Donald A. Tomalia, the present nomenclature appears in the literature and other patents. The method for counting the generations has varied with time, especially with regard to the use of half generations; however, the molecule is the same. The number after the various terms, such as EX1, IF2 and BR3, refers to the generation where they occur as you count the generations numbered outward from the core. The branching for the multiplicity usually happens at a [BR], which is the point where a generation changes number as you count outward from the core. When the [TF] happens after an [EX] group, then it is a half generation. The number of "arms" present around the core depends on the multiplicity of the core; where if not all the multiplicity is used by an "arm", then a dendron results with an [FF] present. Thus this numbering of the terms in the elected species specifies for each layer (generation) added outward from the core what groups are present and the generation number (G=2.5) indicates how far out this growth has progressed for that compound. Thus the structure for this species is shown by the structure enclosed and the name stated. This single compound would be understood by a person skilled in dendritic polymers.

Because this could be confusing for these polymers as they are three dimensional with the maximum number of chains from the core (arms) determined by the multiplicity of the core, we are providing the following table (on the next page) that names this elected species by its groups and states the number of groups present in each generation and total number of each of these groups in the species that then correlates with Formula (I) in Claim 1:

| Group |     |                      | Number | Total  |
|-------|-----|----------------------|--------|--------|
| FF    |     |                      | x=0    | x=0    |
| BR    | BR1 | PETGE                | p1=4   | p=16   |
|       | BR2 | PETGE                | p2=12  |        |
| IF    | IF1 | OH                   | q1=4   | q=68   |
|       | IF2 | OH                   | q2=4   |        |
|       | IF3 | OH                   | q5=12  |        |
|       | IF4 | OH                   | q4=12  |        |
|       | IF5 | OH                   | q5=36  |        |
| EX    | EX1 | Piperazine           | m1=4   | m=52   |
|       | EX2 | Piperazine           | m2=12  |        |
|       | EX3 | Piperazine           | m3=36  |        |
| TF    |     | -NH-<br>(piperazine) | z=36   | z=36   |
| Nc-x  |     |                      |        | Nc-x=4 |

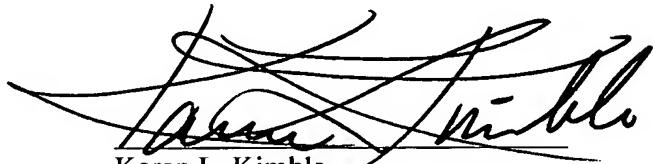
Applicants believe that they have now met more fully the species election and the claims that encompass this species as requested by the Examiner and support the restriction request as usual practice for examination purposes. Applicants respectfully request that the Examiner acknowledge if this response for this purpose is now sufficient. Applicants desire to retain this application in good standing and request further examination. Applicants apologize for any misunderstanding in how the Examiner wanted this species defined.

CONCLUSION

Applicants respectfully request that the examination of this application proceed. Applicants desire to cooperate with all reasonable requests made by the Examiner. Although Applicants believe that no fees are required for this Amendment, if we are in error and any fees are required, please see the first paragraph of this Amendment for the Deposit Account information.

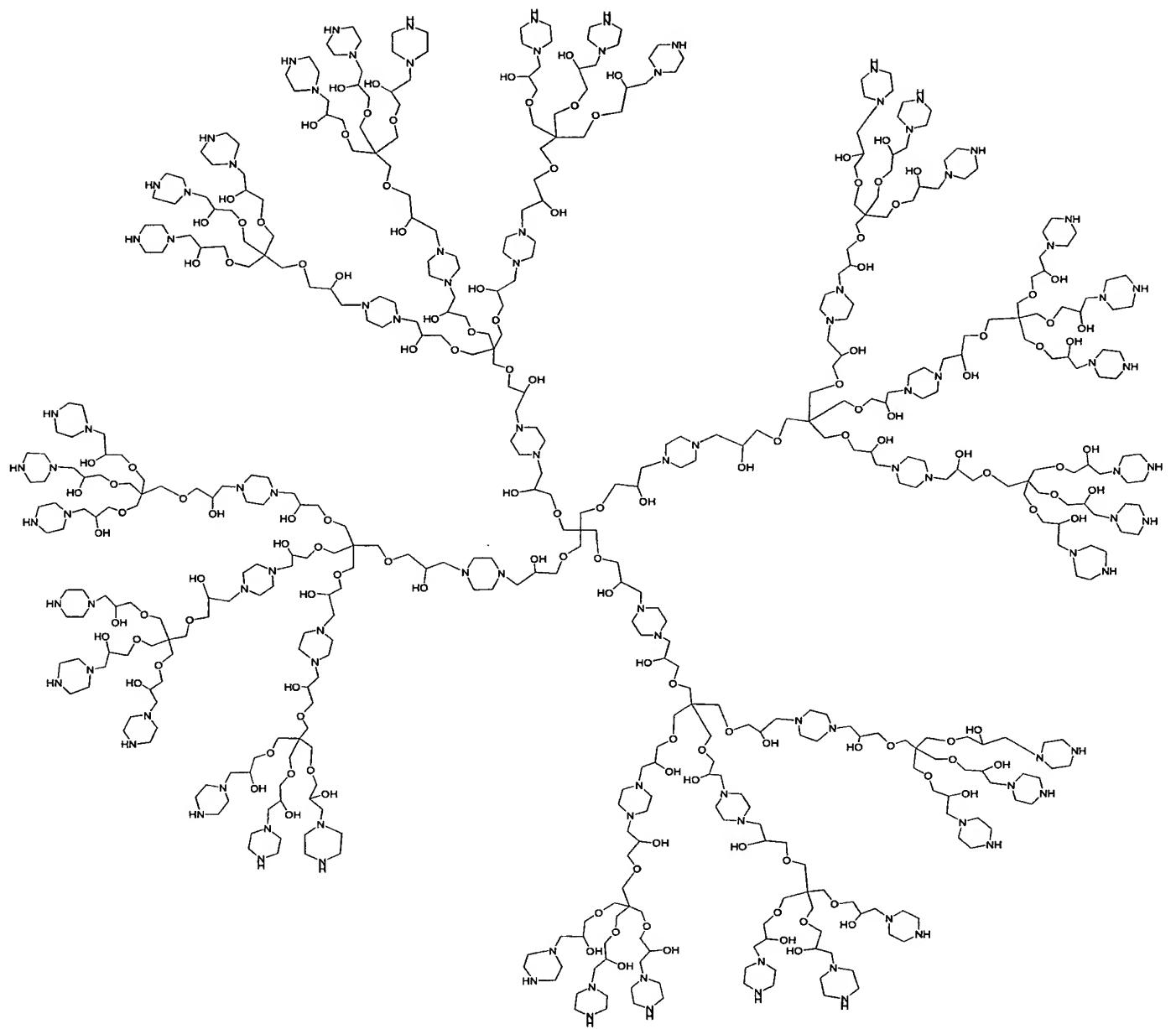
If there are any remaining matters still outstanding in the opinion of the Examiner upon reviewing these documents, Applicants request that the undersigned attorney be contacted to resolve those matters.

Respectfully submitted,



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Encs. Transmittal Form – 1 pg  
Chemical Structure for Example 13 – 1 pg  
Post Card



**Example 13**